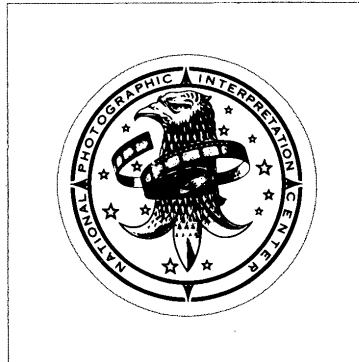


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NATIONAL PHOTOGRAPHIC
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PHOOTOGRAPHIC
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REPORT

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**NEW RADIO RELAY FACILITY
CONSTRUCTION, NORTH KOREA**

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AUGUST 1976
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NEW RADIO RELAY FACILITY CONSTRUCTION, NORTH KOREA

ABSTRACT

1. This report contains information about the construction of six new radio relay stations in North Korea.

This report includes a location map, three photographs, and a table.

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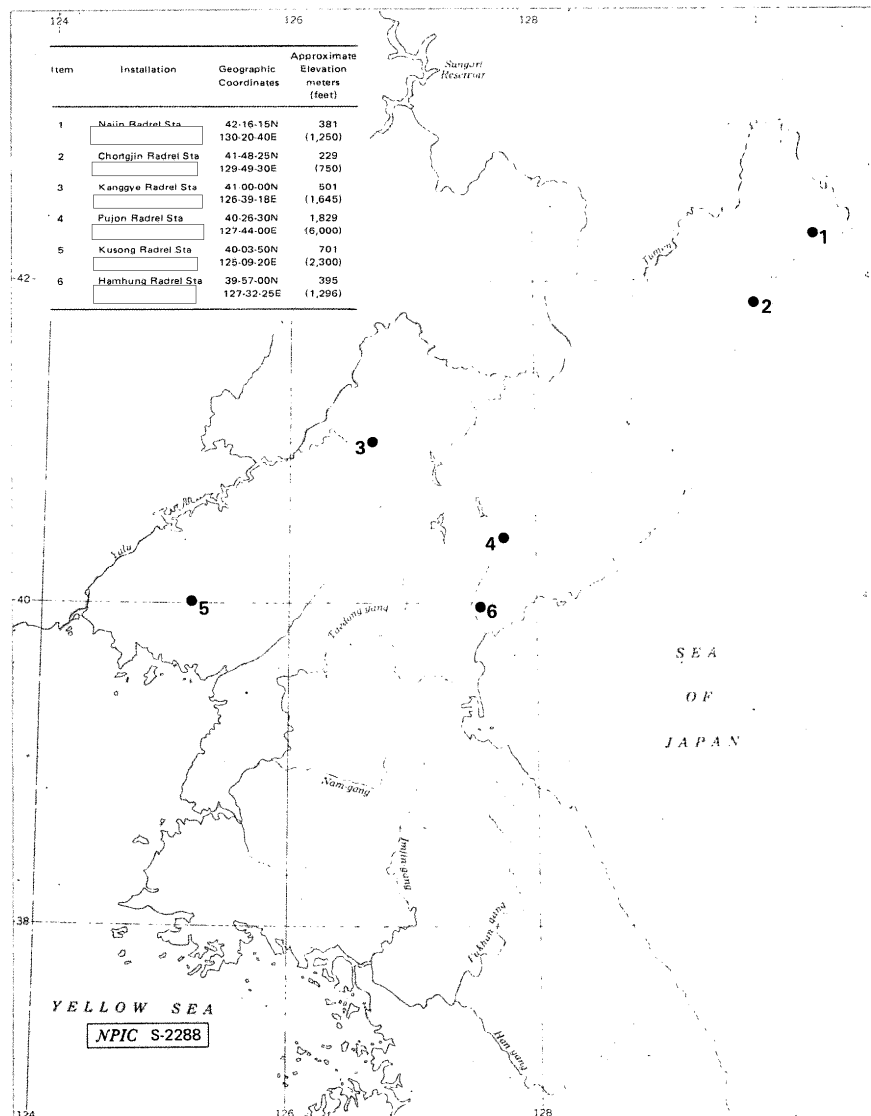
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INTRODUCTION

2. North Korea has begun a program of new radio relay facility construction which will provide an improved capability over that of the existing parabolic dish antenna network. Construction activity was initially observed in November 1975 with concomitant identification of R-600 Vesna horn antennas. None of these new facilities are collocated with previously reported radio relay stations.¹

BASIC DESCRIPTION

3. Six new radio relay stations have been identified in various stages of construction in North Korea (Figure 1 and inset table). The R-600 system with Vesna horn antennas has yet to be observed at two of these radio relay stations.



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FIGURE 1. LOCATIONS OF NEW RADIO RELAY STATIONS IN NORTH KOREA

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4. All six of these facilities are nearly identical in size and configuration. A self-supporting lattice tower, a circular control building below the tower, and two support buildings adjacent to the tower are features common to each of the stations.

5. Early-stage facility construction was seen at Pujon Radrel Station (Figure 2) where excavations for the tower foundations were around the circular control building.

6. At Hamhung Radrel Station (Figure 3), midstage construction was observed. At least three mounting rings were on the self-supporting lattice tower, and four R-600 Vesna horn antennas were lying on the ground adjacent to the tower. A circular probable control building was beneath the tower.

7. In early May 1976, construction was nearly complete at Chongjin Radrel Station (Figure 4), the only facility where R-600 Vesna horns have been observed mounted on the lattice tower. A circular probable control building was observed below the tower

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PHOTOINTERPRETER'S COMMENTS

8. Although only six of these new radio relay stations have been identified in North Korea to date, it is anticipated that more facilities of this type will be constructed throughout the country and that they will be equipped with R-600 Vesna horn antennas. When completed, this new system should significantly enhance North Korea's radio relay network.

REFERENCES

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MAPS OR CHARTS

DoD. US Air Target Charts; Series 200; Sheets 0290-15, -18, -22, and -23 and 0380-4; scale 1:200,000

DOCUMENT

1. NPIC [redacted] RCA-03/0020/75, *Radio Relay Facilities, North Korea, February 1975*, Jun 75 (TOP SECRET RUFF [redacted])

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REQUIREMENT

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